

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051185

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B7/04 H01Q3/26		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04B H01Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, INSPEC		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 329 983 A (NIPPON ELECTRIC CO) 23 July 2003 (2003-07-23) abstract paragraphs [0010] - [0013] figure 4	1,7,8
A	----- US 6 252 542 B1 (SCHUSS JACK J ET AL) 26 June 2001 (2001-06-26) abstract column 4, line 11 - line 26 figure 1	1,7,8
A	----- WO 03/021287 A (ERICSSON TELEFON AB L M ;HAKAN ERIKSSON MATS GUNNAR (SE)) 13 March 2003 (2003-03-13) abstract page 12, line 26 - line 31 figure 2 page 6, line 33 - page 7, line 11 -----	1,7,8
<input type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 28 September 2004		Date of mailing of the international search report 30. 12. 2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Lustrini, D

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/051185

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-12

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12

Arrangement and method for calibration of antenna array, wherein each transceiver is connected to an element of the antenna array, and at least one transceiver is additionally connected to a calibration antenna.

2. claim: 13

Method for calibration of antenna array wherein transmission and reception of test signals is implemented in a transmission gap of a time frame.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051185

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1329983	A	23-07-2003	JP	2003218621 A	31-07-2003
			CN	1434300 A	06-08-2003
			EP	1329983 A2	23-07-2003
			US	2003142012 A1	31-07-2003

US 6252542	B1	26-06-2001	AU	5201899 A	08-11-1999
			CA	2324273 A1	28-10-1999
			DE	69913327 D1	15-01-2004
			DE	69913327 T2	07-10-2004
			EP	1064697 A2	03-01-2001
			JP	2002512465 T	23-04-2002
			WO	9954960 A2	28-10-1999

WO 03021287	A	13-03-2003	EP	1428043 A1	16-06-2004
			WO	03021287 A1	13-03-2003
